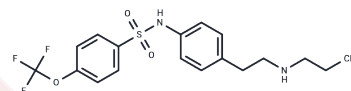


PNU-177864

Chemical Properties

CAS No. : 250266-51-4
 Formula: C₁₈H₂₁F₃N₂O₃S
 Molecular Weight: 402.43
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	PNU-177864 is a selective dopamine D3 receptor antagonist.
Targets(IC50)	CCR,Dopamine Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (136.67 mM),Sonication is recommended. H ₂ O: < 8.78 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (12.42 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4849 mL	12.4245 mL	24.849 mL
5 mM	0.497 mL	2.4849 mL	4.9698 mL
10 mM	0.2485 mL	1.2425 mL	2.4849 mL
50 mM	0.0497 mL	0.2485 mL	0.497 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Rudmann DG, et al. Epididymal and systemic phospholipidosis in rats and dogs treated with the dopamine D3 selective antagonist PNU-177864. Toxicol Pathol. 2004 May-Jun;32(3):326-32.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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